

ABSTRACT

The present invention relates to methods and compositions for treatment of cardiovascular and peripheral vascular diseases using *ex vivo* and *in vivo* gene delivery technologies. One aspect of the present invention relates to a method for
5 treating a vascular disease by introducing a DNA sequence encoding a TM protein or its variant into a segment of a blood vessel *ex vitro* using a gutless adenovirus vector. Another aspect of the present invention is to provide a method to deliver a gutless adenovirus vector carrying a DNA sequence encoding a TM protein or its variant using a stent.